



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A system comprising:

a hydrogen fuel cassette, the fuel cassette including a hydrogen containing core fuel material; and

a hydrogen recovery unit to receive the fuel cassette, to recover hydrogen-based fuel from the core fuel material of the fuel cassette, and to provide the hydrogen-based fuel as output.
2. (Previously Presented) A system comprising:

a cassette housing defining at least one interior region; and

a hydrogen containing core fuel material stored in the at least one interior region.
3. (Previously Presented) The system of claim 2 further including an electronic device to store information related to the cassette.
4. (Previously Presented) The system of claim 2 further including a memory and telemetry circuit to transmit fuel cassette information to a remote receiver.
5. (Previously Presented) The system of claim 2 wherein the core fuel material comprises a massively catalyzed water.
6. (Previously Presented) The system of claim 2 wherein the core fuel comprises a solid alloy.

Claims 7-10 (Cancelled)

11. (Previously Presented) The system of claim 1, further comprising a thermal system to heat the material to recover the hydrogen-based fuel.
12. (Previously Presented) The system of claim 1:

wherein the cassette contains a port to allow the material to exit the cassette; and

further comprising a reaction system of the recovery unit to react the material with a reactant to recover the hydrogen-based fuel.
13. (Previously Presented) The system of claim 1, wherein the hydrogen recovery unit is affixed to a hydrogen powered vehicle.
14. (Previously Presented) The system of claim 2, further comprising a bar code attached to the cassette housing.
15. (Previously Presented) The system of claim 2, further comprising a thermal system to heat the material within the cassette.
16. (Previously Presented) The system of claim 2, further comprising a pivoted handle attached to the housing.
17. (Previously Presented) The system of claim 2, wherein the cassette housing comprises a flexible foil.
18. (Previously Presented) The system of claim 2, wherein the system is approved for transportation by a government transportation organization as non-hazardous material.

19. (Previously Presented) The system of claim 18, wherein the organization is selected from the group consisting of Department of Transportation, Federal Aviation Administration, and National Transportation Safety Board.
20. (Previously Presented) The system of claim 2:
- wherein the material comprises a solid state hydrogen storing material to store hydrogen in an un-pressurized state;
- further comprising one or more electronic devices attached to the system to store information associated with the cassette, the information including status of the material within the cassette;
- further comprising a communication device of the one or more electronic devices to communicate the information associated with the cassette to a remote receiver;
- further comprising information on the outside of the cassette that indicates a type of the material within the cassette housing; and
- wherein the system is approved for transportation as a non-hazardous material by a government transportation organization.
21. (Previously Presented) The system of claim 2, wherein the cassette housing comprises a cassette housing means for containing a material.
22. (Previously Presented) The system of claim 2, further comprising a multiple cassette clip containing the cassette.
23. (Previously Presented) The system of claim 22, wherein the clip comprises a rotary clip.
24. (Previously Presented) The system of claim 22, wherein the clip comprises a stacked clip.

25. (Previously Presented) The system of claim 2, further comprising a hydrogen recovery unit having the cassette inserted therein.
26. (Previously Presented) The system of claim 25, wherein the recovery unit is affixed to a hydrogen powered vehicle.

Claims 27-29 (Cancelled)

30. (Previously Presented) The system of claim 1:

wherein the cassette comprises a cassette means for containing a material; and

wherein the recovery unit comprises a recovery unit means for recovering hydrogen-based fuel from the material.
31. (Previously Presented) The system of claim 2 within a sealed shipped box of a common carrier.
32. (New) A method comprising inserting the hydrogen fuel cassette of claim 1 into the hydrogen recovery unit.
33. (New) The method of claim 32, further comprising, prior to said inserting, receiving the cassette from a common carrier.